SUPPORT OF TTY SYSTEMS IN VOICE OVER DATA NETWORKS

ABSTRACT

A network device for transmitting TTY data across a data network has a PSTN

5   port for receiving PSTN signals and a demodulator for demodulating the PSTN signals

into digital data. A processor detects a suspected start bit for TTY data and buffers voice

packets while it parses the following data. If the start bit is valid, the buffered data is

discarded and the processor packetizes and transmits the TTY data through a data port.

A network device for receiving TTY data extracts TTY data from an incoming

10   data packet stream. The TTY data is then remodulated into PSTN signals and transmitted

to the PSTN via a PSTN port.